

MINUTES

OneGeology Board Meeting #10 Polish Geological Survey, Gdańsk, Poland March 2017

Date: 07 – 09 March 2017

Venue: Polish Geological Survey NRI, Gdańsk, Poland

Time: 09:00 07/03/17 – 17:00 09/03/17

BOARD ATTENDING	
Dr Tomasz Nalecz (TN)	GeoInformation Director (and Deputy Director of the PGI-NRI)
Grigory Brekhov	Executive Director VSEGEI (Deputy)
Dr. Shinji Takarada (ST)	Deputising for Dr Eikichi TSUKUDA Geological Survey of Japan (Deputy)
Boyan Brodaric (BB)	Research Scientist, Geological Survey of Canada
James Johnson (JJ)	Acting CEO – GeoScience Australia
Matt Harrison (MH)	Director of Informatics, British Geological Survey
Francois Robida (FR)	Deputy Head of Division, Info Systems and Technologies Division, BRGM
Tim Duffy (TRD)	OneGeology Project Manager, British Geological Survey
Virginia Hannah(VTH)	OneGeology Administration Manager, British Geological Survey

APOLOGIES	
Dr Eikichi TSUKUDA (ET)	Director General, Geological Survey of Japan
Dr Maria Glícia da Nóbrega Coutinho	Head International Affairs Office, CPRM – GS Brazil
Dr Oleg Petrov (OP)	Director General of VSEGEI, Russian Federation
Louise Laverdure (LL)	Acting Director General, Central and Northern Canada Branch GSC – NRC
Dr Mosidi Makgae (MM)	Chief Operations Officer, Council for GeoScience

GUESTS	
Wojciech Jegliński(WJ)	Director of the PGI-NRI Marine Geology Branch in Gdańsk
Grzegorz Uścińowicz (GU)	PGI-NRI Marine Geology Branch in Gdańsk
Daria Ryabchuk	Head of the Department of Marine Geology – VSEGEI
Christelle Loiselet	Head Of Unit In Charge Of Information Services For Geology - BRGM

DAY 1: 07 March 2017

Welcome and Introductions

Matt Harrison and François Robida opened the discussions by welcoming everyone to the meeting and thanking them for their attendance. They also thanked the hosts of the meeting, the Polish Geological Institute, for the warm welcome. Wojciech Jegliński, Director of the PGI-NRI Marine Geology Branch in Gdańsk gave a brief speech welcoming everyone to his organisation followed by, Tomasz Nałęcz, GeoInformation Director and Deputy Director of the PGI-NRI, welcoming everyone to the meeting, he said that PGI are very happy to be hosting the meeting. It was explained that in the absence of a current Chair, they would lead the meeting and ask others to contribute and steer the agenda items.

1. Agree Procedure to Elect a New Chair

The Board wish to extend their gratitude to Chris Pigram of GeoScience Australia, for the outstanding job of chairing the OneGeology Board before his retirement earlier this year.

It was noted that the next chair of the board should be again, at CEO/Director level and agreed that as OneGeology is a global initiative and as such the chair should come from a continent other than Europe, so that it is not mistaken as EU led.

James Johnson was asked if he would like to carry on with the role of chair, taking over from Chris Pigram. James explained that he would be very interested in taking on the role but felt it currently premature to agree to anything until his position as CEO (currently Acting) was secure. Boyan Brodaric added that the Canadian Geological Survey were in currently the middle of an upper management change and would not be able to make any kind of commitments as to possibly providing a chair at this stage.

It was agreed that François and Matt would continue to chair for the time being but that a chair should be elected by the beginning of May 2017.

ACTION 10.1: Elections for New chair to be complete by 01/05/17

2. Presentations to the Board

A Presentation on Marine Geology including the project - 4 D cartography of the Southern Baltic Coastal Zone was given to the Board by Grzegorz Uścińowicz of PGI-NRI Marine Geology Branch in Gdańsk. Please see PowerPoint presentation for details

Tomasz Nałęcz gave the second presentation, which covered GeoInformation in the PGI including OneGeology activities. This presentation is also attached for information.

3. TIME TO RENEW THE 2007 CGMW-ONEGEOLOGY MOU? And Item 4. ENCOURAGING (AND WHERE NECESSARY CONTROLLING) ONEGEOLOGY DATA SERVICES THAT ALLOW ACCESS TO THE FULL VECTOR DATASETS (agenda items 3&4 were taken together)

Tim Duffy presented the current MoU which is currently very out of date being from 2007 and covering many more organisations than just CGMW. He explained the agreement with CGMW and how the process worked; CGMW currently do not produce digital dataset web services themselves, they sell/licence paper maps and possibly some digital data but they will give students access to the data if it is requested. Some OneGeology members do the work by producing datasets on behalf of CGMW and add them to the OneGeology portal as web services.

Sometimes CGMW will award a small grant/funding to support the production of the original new mapping datasets. He advised that Brazil (CPRM) wants to serve as web services a large new map and full dataset to the OneGeology Portal, the new Tectonic Map of 1:5M for South America. An issue is who owns this dataset and who can release it on the web? CPRM wish to write to CGMW jointly with OneGeology to release these what will be 5 star web services.

ACTION 10.1: Tim and Maria to write jointly to CGMW after François has spoken with CGMW.

It was agreed that the wording in the MoU and on the 'Statement Guiding Perspective Members' page on the OneGeology website, should be revisited and clarified and update where necessary.

François gave a brief background into the initial involvement with CGMW and how OneGeology came to be formed. At the time it was agreed that OneGeology would collaborate with CGMW and would display as web services maps produced by CGMW directly and work with OneGeology members to get any of their datasets available as web service maps including those created in collaboration with CGMW . Today the wording in the 2007 Brighton Accord is more invasive to other organisations.

The email/letter that is sent out with the consortium agreement to potential new members, will now be worded in such a way that by signing it, you are agreeing to the principals within the New Brighton Accord 2017. The new wording to the Accord will be discussed and agreed at the next Board telephone conference in June.

ACTION 10.2: Discuss changes to wording in the Brighton Accord at the next Board meeting in June.

Tim Duffy reported that in the next 3-4 months the technical team will help users to download data from a OneGeology Simple Feature WFS (Web Feature Services) into shapefiles, while at the same time help owners to turn off this WFS feature, which may be created automatically when a WMS (Web Map Service) is published, where necessary.

It was agreed that the relationship with CGMW needs to be addressed and François offered to liaise with them.

ACTION 10.3: François to liaise with CGMW regarding the current agreement with OneGeology and report to the next Board meeting in June.

It was also noted that the any documents regarding OneGeology as a GEOSS Core-data provider need to be revisited in conjunction with the above review. Tim Duffy agreed to seek out any such documents and share with the board for discussion at the next meeting in June.

ACTION 10.4: Tim Duffy to share any current GEOSS agreements with the Board for discussion at the next meeting in June.

5 3D SCIENTIFIC RESEARCH PROPOSAL(S) WORKSHOP/DISCUSSION:

The discussion began with a brief presentation from Canada. Boyan Brodaric outlined the interest of the Geological Survey of Canada in 3D in general and in several aspects of the proposal.

Canada is interested in contributing to a 3D collaboration, pending resolution of some key points captured below.

Tim Duffy presenting on behalf of Brazil, reported that they would want to be included in the project as Work Package 5 testers including offering two large relevant datasets to do that testing with. Matt Harrison on behalf of BGS identified aspects of the proposal that if enhanced would be of interest. François on behalf of BRGM, also expressed interest of being involved and would commit resources but advised that we should be mindful we are not creating geology that is only useful to a geologist, data must be usable by the other users. James Johnson speaking on behalf of Geoscience Australia (GA) outlined the position of GA and that they were interested in several aspects of the proposal, however are also interested in having other partners involved.

Discussion continued about the need to enhance aspects of the proposal that would be of particular interest to the Geological Survey communities. Principal among these were about the 3D workflow and the Event Manager as described in WP2 of the proposal. There was particular discussion about modelling in areas of poor or sparse data, and the enhanced interpolation algorithms that may be required in these terranes. Further discussion covered workflows needing to have the flexibility to be able to draw on the breadth of data available in a Geological Survey including: 2D mapping, cross sections and boreholes for example. There was also interest in common approaches to uncertainty both relating to the underlying data but also the algorithms and process used to create the model.

The 3D proposal was discussed at length and all agreed that a focus on a future common approach to 3D modelling could be a viable way forward for OneGeology. It was agreed that James Johnson will take the 3D proposal back to the authors and explain that the proposal was not agreed without changes but some very good interests was shown by board members, which could be increased with changes to the following;

1. The relative availability of cash vs in-kind contributions and that this needed to be reviewed for the project to be “fundable”
2. The transferring of cash between countries/states especially from Government bodies is very difficult and in some cases impossible. This would need to be addressed potentially with local research partners or locally appointed PhD candidates or Post-Docs.
3. The workflow or Event Manager part of the proposal in particular needs to be better defined for partners to decide whether they will contribute or fund any of this activity.
4. Board to have implicit input into the wording of WP 2. The board will agree the wording before taking to the authors for review.
5. The interested Board members would like to have a workshop with Laurent, which will include their teams, along with Mark Jessell. It will be decided how this can be done but suggestions are; a workshop tagged on to the OGC meeting in St Johns in June, or Laurent and his team to visit the partners separately. James will advise after feedback with Laurent and his team.

ACTION 10.5: James Johnson to take the proposed changes to the 3D proposal back to the authors and report back to the Board meeting in June.

DAY 2: 08 March 2017

1. REVIEW OF OUTSTANDING ACTIONS AND MATTERS-ARISING:

The Minutes from the previous meeting in Cape Town September 2016, were agreed as a true reflection of the meeting.

The outstanding actions were reviewed and the following outcomes made.

ITEM	ACTION	LEAD	DEADLINE
7.6	Action Tim to write to all current data providers (70+) to ask them to use the Thematic keywords. OneGeology help will be writing to all service providers to refresh and enhance their participation this year	TD	OPEN
7.12	3D Business Proposal has been circulated to PM's now the chair needs to seek commitment to the project from some PM's by end July 2017.	Chair	ONGOING
7.1	<i>Follow up with LA/NSF the new CRE/Belmont opportunity</i>	<i>MK+LA</i>	<i>CLOSED</i>
7.14	<i>Chair to follow up with Clair McLaughlin (AU Brussels CRE rep.) in relation to the EU – CRE</i>	<i>CP</i>	<i>CLOSED</i>
7.15	Explore alternatives sources of funding: 1) Charity funding for Capacity building 2). For 3D project – smart cities?	BOARD	Add to forthcoming Agendas as Standing item
9.1	<i>Provide helpful evidence of non-geological survey use of OneGeology to IUGS this may only be able to involve analysing the occasional but regular queries that OneGeology inbox receives from non-GSO survey staff</i>	<i>FR/TD</i>	CLOSED <i>Achieved but as BRGM have now offered to provide a monitoring facility in the next version of the portal</i>

It was noted that Harley Thorliefson at AASG was the link for Belmont Opportunity.

ACTION 10.6: Matt Harrison agreed to speak to Mark Thorley at NERC to enquire about the response time for Belmont inquiries.

It was agreed that funding should become a standing agenda item on future OneGeology Meeting agenda's.

ACTION10.7: Virginia Hannah to add funding as standing agenda item to future agenda's.

2. REGIONAL REPORTS

Each Board representative gave a presentation on the recent activities within their region, the PowerPoint presentations are attached to these minutes for information.

South and Central America: in the absence of the Board representative; Maria Glicia da Nóbrega Coutinho, Tim Duffy gave the PowerPoint presentation on her behalf. CPRM is planning soon to be buddying OneGeology web services for Venezuela and Cuba and to be working with Columbia to get important new maps/datasets published to OneGeology.

Africa: Again in the absence of a representative, Tim Duffy gave the following update. Mosidi Makgae no longer works for the Council for GeoScience but the new CEO has pledged their continued support to OneGeology and hopes to shortly make the 2017 subscription payment. They plan to appoint a new Board representative to represent Africa as they are still currently the only subscribing Principal Member on that continent. The Council for Geoscience plans soon to renew its OneGeology web services for 1:1M and 1:250,00 Geological data; the SADC 1:7.5M Geology map and the buddied 1:1M Mozambique and Botswana Geological maps.

Matt Harrison reported that the BGS, with money from ODA, have begun working on a project called, The African Minerals Research Initiative (new name for the Billion Dollar map) there is meeting in Uganda this month which Patrick Bell will attend to promote OneGeology, plus Tim Duffy and the technical team will attend a workshop in Tanzania this summer, to promote what OneGeology can do for them technically and give some training.

François reported that BRGM are currently working on a project with the EU commission and the European Geological Surveys, to join up with the Geological Services in Africa. BGRM and PGI are co funding the project. He will try to align the technical training programme with OneGeology initiatives and OneGeology technical standards will be followed.

Asia: Dr Shinji Takarada deputising for Dr Eikichi TSUKUDA, gave a PowerPoint presentation to the meeting.

OneGeology Asia portal in on the OneGeology portal. The Vietnam Map is now complete and Laos is a new service. Tim Duffy said that OneGeology would encourage all new services to use the new key words and the current Onegeology Asia registered ones has already included them where appropriate.

ACTION 10.8: Shinji Takarada to follow up with services on his portal and join them with OneGeology by following the standards set out. There may be a mobile App for Asia coming.

Tim Duffy said that there are currently 3 principal members in Asia, The Chinese Geological Survey may be just about to sign up once they can overcome the payment process.

Matt Harrison said that BGS may build a Mobile App for Africa, using the funding from ODA.

Eurasia: Grigory Brekhov, deputising for Dr Oleg Petrov, the Eurasia Board Representative gave a PowerPoint presentation to the meeting. He advised that the Vector Database to replace their existing CIS wide raster mapping available on the OneGeology portal will be ready in 2025 and the new 1:1,000,000 Fennoscandian Shield collaboration work with Nordic countries is progressing well. Some 1:2,500,000 scale data is planned to be published as GeoSciML 4 in the next year.

Canada and North America: Boyan Brodaric, deputising for Louise Laverdure, the Canada and North America representative, gave a verbal update to the Board. He reported that there had been good communication with USGS and AASG since the last OneGeology meeting and Harley Thorlietson will be the AASG link with OneGeology and John Brock the USGS link. There will be a new bedrock geology map of Northern Canada released this year, with plans soon for a similar map for the whole of Canada. The International Polar Year geological map of the Arctic should be coming online this year, as well as portions of a superficial map for Canada. He said that OneGeology is used as a market place for Canadian national-scale geological maps, as well as a vehicle for technical interaction

ACTION 10.9: Boyan was actioned with encouraging AASG to re-join OneGeology.

He reported that Initial meetings have been carried out with Mexico but interest is low, although they have agreed to continue discussions.

There will be a new Map of Canada released this year and hopefully a bedrock one next year. The Arctic map should be coming online this year as well as a superficial map. He said that OneGeology is used as a central market place to Global Marketing for Canadian data, as well as technical advice and marketing.

Europe: Dr Tomasz Nalecz gave a PowerPoint presentation to the meeting. He said that he is continually meeting with EU organisations to promote OneGeology but interest is poor.

François Robida said that he has submitted a plan to the next OGC meeting, to have a new Geoscience working group between OGC and CGI. There is a meeting in June and another in September to clearly define the scope of work and identify the members of the group. He sees OneGeology as being the flagship of standards. OGC is clearly in-line with OneGeology and EPOS and a future collaboration is foreseen. He agreed to raise the 3D initiative at that meeting.

ACTION 10.10: François Robida will raise the OneGeology 3D project within the OGC/CGI meetings.

BB requested that OneGeology in 2017 should investigate the application of Linked data techniques to existing OneGeology infrastructure such that in the future users could 'type into Google find me the 1:50k geology map of Britain' and it returns a link to that data/web service/metadata'. He would arrange for colleague Eric Boisvert to attend and lead a workshop on this topic for OneGeology.

ACTION 10.11: François requested that Tim Duffy as co-chair should arrange a OneGeology TIG (Technical Implementation Group) meeting in late May/June around the time of the GIC in Vienna and add this Linked data item to the agenda, then report back to the Board meeting in June.

3 MEMBERSHIPS/ADMINISTRATION UPDATE - 5 BUDGET DECISIONS FOR 2017 (taken together)

François Robida gave a brief update to the new changes and possible improvements to the user experience with the OneGeology Portal. He asked for all Board representatives to take a look at the early draft new portal http://onegeology.brgm-rec.fr/OnegeologyGlobal_test/ and feedback directly to him (f.robida@brgm.fr) any suggestions for improvements/additions and whether they like

the new interface **BY CLOSE OF BUSINESS Friday 31st March**. GB welcomed this proposed advance and hoped to contribute several ideas.

ACTION 10.12: All Members to report back to François Robida, suggestions/edits on the new changes and possible improvements to the user experience with the OneGeology Portal.

Tim Duffy highlighted the current financial situation, pointing out that deficit to BGS and BRGM continues to drop. He presented the future possible budgets for the forthcoming year 2017-18 and asked for approval from the Board. The Board agreed that **128 euros** (including required overheads) should be paid to BGS for the management, technical and administration support of OneGeology and **50euros** to BRGM for the portal management.

Tim reported that membership has dropped from 23 organisations to just 16, although the revenue that is being received is still 135 euros. This comes from the increase in membership subscriptions and not having to pay a Managing Director, although this will mean the BGS administration team will have to cover many functions of that role. Organisations have dropped off due to not being able to raise the money for membership fees, some concessions have already been made to organisations that are representing much smaller organisations. GTK, SWISSTOPO, Slovenia and GEM have already declined to renew their subscription for 2017.

OneGeology will not be seeking any possible renewal of the completed four year UNESCO-IUGS IGCP 624 project which involved giving small grants (circa total \$3500 a year) to certain qualifying individuals in the developing world. Some attendees at the South America and OneGeology Africa workshop benefitted from this. However, the time and staff hours it took to reclaim the money was much more than the funding itself and we have to cut down on the admin costs.

Tim advised that if we could encourage 4 more principal members to join at the current rate, this would cover all of the shortfall currently being met by BGS and BRGM. François and Matt advised that we must bear in mind that currently the senior management of both organisations are very supportive of OneGeology but this could alter with change of management, which is likely to happen for both organisations, within the next few years. Comfortably, we need to have 25-30 members paying the higher rate to sustain the funding model.

ACTION 10.13: All representatives are encouraged to actively work to recruit new members in their areas.

Boyan Brodaric suggested that the Marketing of OneGeology membership needs to be stepped up now. There is no clear message to why it's worth becoming a principal member, what does your membership pay for? We should be highlighting the value of OneGeology membership and the work that is done to sustain OneGeology.

A long discussion took place on the possibilities for marketing of OneGeology. It was agreed that we could do more but we couldn't pay too much for this.

ACTION 10.14: The admin team agreed to work on putting together some basic updated marketing material, for representatives to use in the recruitment of new members; to discuss and agree at the meeting in June.

4 FUTURE MANAGEMENT OF ONEGEOLOGY WITHOUT A MANAGING DIRECTOR

The managing Director historically attended lots of global events on behalf of OneGeology. Obviously, the administration team are not going to be able to cover all of these events but will attend as many as possible. The Area representatives were asked if they could make a conscious effort to have OneGeology representation at relevant events in their regions. It was noted that some funding could be available for this but it will be limited.

The group asked if a list/calendar of the types of events that the MD had attended in the past could be produced. Virginia Hannah suggested that we produce a future calendar of events, displaying where OneGeology will be represented and display this on the website to help with the marketing of OneGeology.

ACTION 10.15: Virginia Hannah to produce list of past events attended by the MD then work with regional representatives to come with a calendar of future events to display on the website.

6. REVIEW OF NEW AND OUTSTANDING ACTIONS

ITEM	ACTION	LEAD	DEADLINE
7.6	Action Tim to write to all current data providers (70+) to ask them to use the Thematic keywords. OneGeology help will be writing to all service providers to refresh and enhance their participation this year	TD	OPEN
7.12	3D Business Proposal has been circulated to PM's now the chair needs to seek commitment to the project from some PM's by end July	Chair	ONGOING
10.1	Tim and Maria to write jointly to CGMW after François has spoken with CGMW	TD/MG	OPEN
10.2	Discuss changes to wording in the Brighton Accord at the next Board meeting in June.	ALL	OPEN
10.3	François to liaise with CGMW regarding the current agreement with OneGeology and report to the next Board meeting in June	FB	OPEN
10.4	Tim Duffy to share any current GEOSS agreements with the Board for discussion at the next meeting in June.	TD	OPEN
10.5	James Johnson to take the proposed changes to the 3D proposal back to the authors and report back to the Board meeting in June.	JJ	OPEN
10.6	Matt Harrison agreed to speak to Mark Thorley at NERC to enquire about the response time for Belmont inquiries	MH	OPEN
10.7	Virginia Hannah to add funding as standing agenda item to future agenda's.	VTH	OPEN
10.8	Shinji Takarada to follow up with services on his portal and join them with OneGeology by following the standards set out. There may be a mobile App for Asia coming	ST	OPEN
10.9	Boyan was actioned with encouraging AASG to re-join OneGeology.	BB	OPEN
10.10	François Robida will raise the OneGeology 3D project within the OGC/CGI meetings.	FB	OPEN
10.11	François requested that Tim Duffy as co-chair should arrange a OneGeology TIG (Technical Implementation Group) meeting in late May/June around the time of the GIC in Vienna and add this Linked data item to the agenda, then report back to the Board meeting in June.	TD	OPEN

10.12	All Members to report back to François Robida, suggestions/edits on the new changes and possible improvements to the user experience with the OneGeology Portal by end March 2017.	ALL	OPEN
10.13	All representatives are encouraged to actively work to recruit new members in their areas.	ALL	OPEN
10.14	The admin team agreed to work on putting together some basic updated marketing material, for representatives to use in the recruitment of new members; to discuss and agree at the meeting in June.	VTH	OPEN
10.15	Virginia Hannah to produce list of past events attended by the MD then work with regional representatives to come with a calendar of future events to display on the website	VTH	OPEN

7. DATE AND LOGISTICS OF FORTHCOMING MEETINGS

It was agreed that the next telephone conference would be on 22 June 2017, Virginia will send out meeting invitation with specific times and details.

The possibility of the next face to face meeting being in Canada was discussed. Boyan Brodaric said that if this was agreed it may be possible to accommodate at the GSC offices in Vancouver.